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Fall 2013

The Cutting Edge Fall 2013

Wright State University Department of Surgery

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THE CUTTING EDGE

VOL 3, ISSUE 2

FALL 2013

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CHAIR'S CORNER



Wright State University School of Medicine has just completed a five-year strategic plan (med.wright.edu/about/strategic-plan2013) under the guidance of our new dean, Dr. Marjorie Bowman.

Goals focus on education, research, patient care, community engagement, and resources. I would encourage each of you to look at this document. A strategic plan is only as good as its implementation, and this new plan will require the energies of alumni, faculty, residents, and students to be effective. The goals are:

Education

Advance learning experiences that prepare learners for the medicine of tomorrow.

Research

Advance the school's reputation for nationally recognized research.

Patient Care

Prepare for and create the future of patient care.

Community Engagement

Strengthen community education, community partnerships, and academic partnerships.

Resources

Maximize revenue sources and enhance the performance of our fundamental operations.

These are supported by strategies and tactics that further elaborate on the priorities of the Boonshoft School of Medicine. Each of you can contribute in some way to bring this strategic plan to life for our students and our community!

FACULTY

Spotlight



Dr. Pratik Parikh, assistant professor Department of Biomedical, Industrial and Human Factors Engineering with a secondary faculty appointment in the

Department of Surgery, received the Presidential Award for Faculty Excellence: Early Career Achievement. The award ceremony was on September 4, 2013. Congratulations Dr. Parikh!

Faculty News



Dr. Zaiba Malik Performs Cataract Surgery in San Lorenzo, Ecuador

Dr. Zaiba Malik, clinical assistant professor of surgery, recently returned from a trip to Ecuador where she performed over 65 surgeries. Third-world countries do not have the equipment to perform modern cataract surgeries, so when Dr. Malik saw instructors performing manual small incision cataract surgery (MSICS) at the American Academy of Ophthalmology meeting she knew that learning this type of procedure would help

her prepare for her future mission trips. While helping people in third-world countries, she works collaboratively with the local ophthalmology professionals training them to be able to handle these types of cases. Dr. Malik is already preparing for her next trip.

Eye Care News (Department of Ophthalmology Newsletter) Henry Ford Health Systems 2013 May.

Wright State Surgery Faculty Continue Tradition of ACS Leadership



With **Dr. Randy Woods** serving as the president of the Ohio Chapter of the American College of Surgeons, the tradition of ACS leaders emerging from the Wright State Department of Surgery continues. The Ohio Chapter, American College of Surgeons has continued to excel in its effectiveness in support and improving the practice of surgery in the state of Ohio. Past presidents of the Ohio Chapter who also served as faculty members of our department include: Frank Shively (1962), Robert Finley Jr. (1981), Richard Reiling (1987), Sidney Miller (1991), Margaret Dunn (2000), and Linda Barney (2008).

The Ohio Chapter of the ACS continues to connect Fellows of the College within the state and to actively advocate on the state level for surgeons and their patients. On the legislative level, the chapter monitors legislation that potentially impacts the practice of surgery such as scope of PA practice and changes in health insurance mandatory coverage. The chapter, together with the ACS Ohio Committee on Trauma, currently chaired by Dr. Saxe, is currently engaged in redefining the oversight body for the Ohio Trauma System to better organize care of the trauma patient. The annual meeting in May always includes a resident program and is a great networking opportunity for anyone looking to practice in Ohio.

Many department members have also served as Governors of American College of Surgeons. The Board of Governors is composed of fellows chosen both by specialty societies and local chapters. The Board of Governors is charged with representing the voice of the fellows to the college. Current faculty members that have served as governors include Dr. Barney (Ohio Chapter), Dr. Dunn (Ohio Chapter) and Dr. McCarthy (Association of Women Surgeons). Two alumni of the department currently serve as Governors: Dr. Danny Robinette (Alaska) and Dr. David Dexter (Pennsylvania).



Dr. Dunn serves as a Regent of the College. A 22-member Board of regents, currently chaired by recent visiting professor Dr. Julie Freischlag, governs the college. The Board of Regents has been actively engaged in the college's advocacy efforts in Washington, as well as issues affecting surgical education and training, the surgical work force and rural surgery. A recent reorganization of the Board of Governors has greatly improved communication between the Board of Regents and the Board of Governors. Most importantly, the college investment in quality initiatives including NSQIP have resulted in improved outcomes and lowered costs for many surgical patients nationwide.

Dr. Woods will be representing both the department and the chapter at the March 28, 2014, Ohio Inspiring Quality Forum to be hosted by OSU in Columbus. The theme of the forum will be "Higher Standards, Better Outcomes, Lower Costs." Institutions from across Ohio will be presenting on quality initiatives around the state.

WSU DOS Faculty Leads Driving Simulation Project



Peter Ekeh, M.D., M.P.H., professor at the Department of Surgery leads the project pilot evaluation of the short-term effect of driving simulation on

novice adolescent drivers. He prospectively studied a group of novice drivers subjected to comprehensive virtual driving simulation modules to identify the subsequent effects on their driving records. Forty high school students who recently obtained their driver's license were randomized into driving simulator (DS) or control groups. The driving simulator (DS) group went through 12 modules of driver education. Upon completion, driving records for all the individuals were collected at six months, 12 months, and 18 months, and comparisons were made. The average time to the first offense after completion in the DS group was 117 days versus 105 days in control group. At 18 months, 18.8% in the DS group were involved in a driving incident compared with 47.4% in the control group. At 18 months, there were four incidents in the DS group versus 17 incidents in the control group. At 18 months, 6.2% in the DS were involved in accidents compared with 21.1% in the control group. Speeding infractions occurred at 18 months in 12.5% in the DS group versus 26.3% in the control group.

Ekeh AP, Herman K, Bayham D, Markert R, Pedoto M, McCarthy M. Pilot evaluation of the short-term effect of driving simulation on novice adolescent drivers. *J Trauma Acute Care Surg* 2013 Jul; 75(1): 83-87



The student pictured using the driving simulator was a participant in the Miami Valley Hospital Career Camp held in July.

Surgical Critical Care Fellow



Jamal F. Rabbi, MBBS will be joining Wright State DOS as our new Surgical Critical Care Fellow. Welcome aboard!

GENERAL SURGERY RESIDENCY

Annual Graduation Ceremony

Department of Surgery Residency Program
Wright-Patterson Air Force Club - June 6, 2013

The graduating chiefs move forward to new positions. Good luck to all of the graduates!

Dr. Erica Peters—General surgery practice at Lorain Family Health Center (Cleveland Clinic)
Dr. Luk Czerwonka—Head and neck fellowship at Mt. Sinai Hospital, Toronto, ON
Dr. Ryan Earnest—Staff surgeon at Lakenheath AFB, England
Dr. Phillip Heyse—General surgery practice with Dayton Surgeons
Dr. W.D. Hinojosa—Staff surgeon at Tinker AFB, OK
Dr. Zach Simmons—General surgery practice in Piqua, OH
Dr. Becky Tuttle—Surgical oncology fellowship at Roswell Park Cancer Institute, Buffalo, NY



Graduation Awards

Outstanding Resident Teacher Award
Adam Bourgon, D.O.

Albert B. Huffer, M.D., Award for Outstanding Teaching of Clinical Surgery
William K. Rundell Jr., M.D.

The Residents' Award for Outstanding Teaching by a Faculty Member
James R. Ouellette, DO

The Residents' Award for Outstanding Teaching by a Voluntary Faculty Member
Laszlo Toth, M.D.

Trauma Resident of the Year
Erica Peters, M.D.

Children's Medical Center Resident of the Year
Josh Gustafson, M.D.

Dayton Veteran's Hospital Senior Resident of the Year
Phillip Heyse, M.D.

Dayton Veteran's Hospital Junior Resident of the Year
Alyssa Bonta, M.D.

Kettering Medical Center Resident of the Year
Luk Czerwonka, M.D., and
Becky Tuttle, M.D.

Highest ABSITE Award
Becky Tuttle, M.D.

2013 WSU POSTGRADUATE SYMPOSIUM: VASCULAR SURGERY

Wright State University Department of Surgery will be hosting a vascular symposium on Friday, September 27, 2013, Emerging Issues and Controversies in Vascular Surgery at the Miami Valley Hospital, Berry Women's Center Bieser Auditorium. Local and regional speakers will provide training for this event. WSU has designed this live activity to be 6.5 AMA PRA Category 1 credits. Application for CME credit has been filed with the American Academy of Family Physicians (pending) and Ohio Nurses Association.

Robert P. Turk, M.D. – Alexis Carrel Father of Vascular Surgery

John H. Matsuura, M.D. – Update on Management of Lower Extremity Arterial Disease: Are Vascular Surgeons a Necessary Part of Patient Care Anymore? And Contemporary Treatment of Iliofemoral DVT.

David G. Armstrong, M.D., D.P.M., Ph.D. – Healing and Preventing the Diabetic Foot Wound: A Marriage of Team, Technology, and Tenacity.

Doug Massop, M.D. – Cardiac Stenting versus Carotid Endarterectomy.

RJ Valentine, M.D. – Contemporary Management of Aortic Graft Infections in the Age of Endovascular Repair: Does Open Surgery Have a Place?

Mohammad Eslami, M.D. – Ruptured AAA Protocols: Is Systemic management of these Patients Going to Save Lives? And Current State of Renal Artery Revascularization: Worthwhile or Not?

Lorraine Lortez, NP, DPM – Identification and Management of Arterial and Venous Lower Extremity Ulcers and Office-Based Cosmetic Vein Practice: How to Do it.

Steven Jain, M.D. – Basics of Pre-op Cardiac Risk Assessment in Vascular Patients.

Garietta Falls, M.D. – Primer of Hemodialysis Access and Graft Salvage.

Randall Franz, M.D. – Stem Cell/Angiogenesis Lecture.

On-line registration:
med.wright.edu/surg/symposium

RESIDENTS

Vascular Skills Lab



John Matsuura, M.D., RVT, RPVI, professor

One of the greatest challenges in surgery is finding a way to improve the skill of our residents without harm to our patients. Training models are available for laparoscopic procedures, endoscopy, and basic suturing, but we had not yet developed an approach for teaching blood vessel anastomosis and endovascular technique. Dr. Randy Woods and I worked closely with Dan Nolan in the biosciences laboratory to create a rotating monthly vascular skills lab. With the support of several of our endovascular vendors (Cook Endovascular, Boston Scientific, Medtronic, Gore Medical, Endologix, Mynx,

CryoLife, Aptus, LeMaitre) we are offering “hands on” training in open vascular anastomosis, guidewire skills, balloon angioplasty, vena cava filter placement, and endovascular aortic stent graft deployment. We hope to have residents in their second and third years of training come through the two hour sessions at least twice a year. Our goal is train senior residents with the experience and manual skills to actively participate in any open vascular or endovascular procedure with the confidence of their attendings. We are currently completing a video series of basic vascular exposures that can be accessed online. Ultimately, we feel such training will not only improve on surgical outcomes, but will also generate interest in the field of Vascular Surgery.



“What is with all the wires?”



Suturing a vascular anastomosis



**Endovascular stent station—
“Even more wires”**



Endovascular AAA simulator



MSIV deploying an aortic stent graft on a virtual patient

MEDICAL STUDENTS

New Surgery Clerkship Director Appointed



Melissa P. Roelle, M.D., has recently accepted the responsibilities of the surgery clerkship director. Dr. Roelle is an assistant

professor. She has been on the faculty since 2010. Dr. Roelle has an active general surgery clinical practice with an emphasis on breast care. She is the medical director of the High Risk Breast Center at Miami Valley Hospital South, Centerville, Ohio. Dr. Roelle’s research endeavors include evaluating women at high risk for breast cancer and the optimal timing for cholecystectomy. Dr. Roelle is a member of the American College of Surgeons, the Association for Surgical Education, Association of Women Surgeons, and the Midwest Surgical Association. She looks forward to developing her career in surgical education.

FACILITY NEWS



Dr. Becky Tuttle advocated for an addition to the women physicians locker room in the OR after her lock was cut off for the third time and the space appropriated by students. Here is a photo of the “Tuttle Addition” to the locker room. A locker is awaiting you in 2015, Becky.

MEDIA

Breast Cancer in the News



Melissa P. Roelle, M.D., assistant professor

With actress Angelina Jolie's recent announcement regarding being a BRCA 1 carrier and her surgical choice to undergo bilateral prophylactic mastectomies, there has been an

inundation of information from the media regarding this condition. Patients and health care workers alike have many questions about this testing and the implications. Here are some important pieces of information about this testing:

- BRCA1 and BRCA2 are tumor suppressor genes.
 - Mutations in either of these genes have been linked to early-onset breast cancer and ovarian cancer. When a woman inherits a copy with a deleterious mutation in one of these genes, it significantly increases her chances of developing breast cancer and ovarian cancer.
 - BRCA1 and BRCA2 are inherited in an autosomal dominant fashion and they are not linked to sex chromosomes, so men can carry BRCA mutations. This has been shown to increase a man's risk in developing breast and prostate cancer, as well as other cancers—less frequently. Men can pass mutated genes to children—regardless of the sex of the child.
 - The likelihood that a breast and/or ovarian cancer are associated with a harmful mutation in BRCA1 or BRCA2 is less than 10%. It is more likely in women who have a family history of multiple cases of breast cancer and/or ovarian cancer.
- Certain flags include (but aren't limited to):
- Premenopausal women with breast cancer—especially "triple negative" breast cancer
 - Women with breast cancer with two or more first-degree relatives with breast cancer
 - Any woman with ovarian cancer
 - Any man with breast cancer
 - Previously determined BRCA mutation in a family member
 - The average woman's risk for developing breast cancer is about 12% in her lifetime. It is estimated that a woman's risk of developing breast cancer with a BRCA1 or BRCA2 mutation is increased between 50-85%.
 - The average woman's risk for developing ovarian cancer is about 1% in her lifetime. With a BRCA1 or BRCA2 mutation, this risk is increased to 15-50%.

Options for managing this level of breast cancer risk include:

- Maintaining a healthy lifestyle by maintaining body weight and limiting alcohol consumption
- Increased screening with yearly mammograms alternating with yearly MRI examinations of the breasts in addition to more frequent clinical breast examinations
- Chemoprevention
- Prophylactic mastectomy
- Options for managing this level of increased ovarian cancer risk include:
 - Pelvic ultrasound
 - CA-125 screening
 - Prophylactic oophorectomy
- Not every woman with mutations in BRCA1 or BRCA2 will develop breast and/or ovarian cancer.
- Genetic testing for BRCA1 and BRCA2 is currently only done by one laboratory—Myriad Genetics. The test is called "BRACAnalysis." Either blood or saliva samples can be submitted for this testing after informed consent is obtained. Genetic counseling is recommended before and after the tests to help with interpretation of the results.
- Genetic Counseling is available at the High Risk Breast Cancer Center at MVH South.
- Genetic testing can be very costly. Depending on a woman's risk for carrying a mutation, insurance may cover some (or all) of the expense of undergoing "BRACAnalysis." As each insurance company is different, so women considering testing are encouraged to review their company's policy regarding payment for genetic testing.
- Myriad provides an option for a payment plan for people who will have a significant "out-of-pocket" expense for testing.
- Some local funds exist to help pay for the test in women who are uninsured or under-insured.

ALUM NEWS



Dr. Richard B. Reiling, M.D., FACS, WSUDOS clinical professor, was elected to the ACS Board of Regents to serve as special consultant to

the foundation. He was a past second vice president of the ACS as well as former vice-present and medical director of Presbyterian Cancer Center in Charlotte, NC.



Dr. Helmut Pfalz (GS 2001) and his family returned to the Dayton area for a visit. Dr. Pfalz is very happy in his surgical practice in the town of Prince Frederick, Maryland, where he performs general and hand surgery. He finished his residency in general surgery in 2001 with Wright State University. During a recent visit to Dayton, he expressed his gratitude for the training he received at Wright State University.



Dr. Larry Martin (GS 1998) is in solo practice in Hudson, Florida, at Regional Medical Center-Bayonet Point. He belongs to a 17-

member negotiating group of surgeons, organized by another Wright State graduate, Dr. John Dietrick, III (MS 1983). Dr. McCarthy met with Larry at a trauma verification visit. He is a leading practitioner and highly respected and appreciated by his peers.

WRIGHT STATE PHYSICIANS

The Wright State Physicians Surgery practice continues to grow. We've had several new staff join our practice since the last newsletter. In our business and clinical operations office, please welcome Lynne Smith, senior administrative assistant to Dr. McCarthy, Dr. Parikh; and Julie Knauff, general and vascular surgery division coordinator. Both are located on the 7th floor of the Weber Center for Health Education. Amanda Carson-Spychalski has joined us as a senior accountant; she also has responsibilities in the orthopaedics department, where is she physically located. She has a mail box on the 7th Floor of Weber CHE, and can easily be reached via email or by calling 937-208-8000 x 590505. In our Suite 5253 practice office at Miami Valley Hospital, please welcome Kristen Trost, medical assistant. Nicole Rothery has joined our surgical oncology practice, now located in the Comprehensive Cancer Center at Miami Valley Hospital South, as a medical receptionist. Finally, as the trauma program at Miami Valley Hospital continues to grow, we have hired several nurse practitioners and physician assistants to staff both the trauma program and the surgical ICU. Please welcome Chris Atkins, Kyle Crosthwaite, Tara Green, Anne House, Dawn McCann, and Amber Washington to our team.

SPECIAL LECTURES



2013 John W. Berry Vascular Surgery Visiting Professor

September 3-4, 2013

7 a.m.

Kettering Medical Center Dean Amphitheater

Dr. Julie Freischlag, "Clinical and Personal Comparative Effectiveness."



2013 Mary C. McCarthy, M.D., Endowed Lectureship in Trauma Surgery

November 6, 2013

7 a.m.

Kettering Medical Center Dean Amphitheater

Dr. Bryan Cotton



2014 Helen and David Bernie Visiting Professorship

March 12, 2014

Noon

Good Samaritan Hospital

Dr. Scott Alan Shikora



2014 Daniel W. Elliott, M.D., Resident Research Symposium

April 23, 2014

7 a.m.

Kettering Medical Center Dean Amphitheater

Dr. Nicholas Zyromski

Maintenance of Certification (MOC) and Grand Rounds

Maintenance of certification is a requirement of the American Board of Surgery. CME is an important part of the MOC requirement. Over a 3-year period, you must complete 90 hours of Category I CME credits; 60 must include self-assessment with a score of 75% or higher.

A great way to obtain Category I CME credit is Grand Rounds attendance. You may also earn self-assessment credit by completing the quiz on the back of the evaluation sheet. DOS Grand Rounds takes place every week from September through May (no holidays) in the Dean Amphitheater at Kettering Medical Center at 7 a.m. There are 12 nationally-known speakers scheduled for the 2013-2014 academic year. Our goal is to continue to exceed expectations and offer a great variety of topics. For further information regarding Grand Rounds, or to be included on the mailing list, please contact Carlene Hunt at carlene.hunt@khnetwork.org.

GIVING BACK: DONATIONS

Resident Research Support Fund

David C. Hitch, M.D.

John H. Matsuura, M.D. (GS 1992)

Robert Goldenberg, M.D.

Rebecca Glaser, M.D. (GS 1998)

Vascular Surgery Fund

John W. Berry Jr.

Stuart Fox

Surgical Oncology Research Fund

Dr. Rebecca Glaser, M.D. (GS 1998)

Mary C. McCarthy, M.D., Chair in Trauma Surgery Fund

Elizabeth Elliott

Thomas Bolling, M.D., FACS (GS 1979)

Rebecca Glaser, M.D. (GS 1998)

Vascular Surgery Fund

John H. Matsuura, M.D. (GS 1992)

Surgery Development Fund

Oluwatope Mabogunje, M.D.

Janice Schilling (Stone), M.D. (GS 1987)

Thank you for your contributions!

Future Contributions

As an alumnus or friend of the Department of Surgery you can make a real difference in the education of the next generation of surgeons. The department has several additional opportunities for support, including:

Surgical Simulation Resident Training Fund

Global Surgery Resident Rotations

Contributions to the Department of Surgery may be mailed to:

Kimberly Paul, MHA

Department of Surgery

Weber Center for Health Education Building

128 E. Apple Street, Suite 7817

Dayton, OH 45409-2793.

Please indicate the fund you wish to support. You can also contribute online at www.med.wright.edu/surg/giving. Please contact Kim at 937.208.2464 or Kimberly.Paul@wright.edu should have any questions. Thank you!

DIVISION OF RESEARCH



Priti Parikh, Ph.D.,
assistant
professor, director
of research

The Department of Surgery is committed to research development. A peer-reviewed publication or major presentation is now required to complete residency. Our research activity is consistently improving and the research division is

growing fast! Our primary focus is now is projects in the areas of:

- Improving health care systems
- Translational research
- Surgical oncology

We also participate in clinical trials, including the recently completed trial on the use of progesterone in head-injury, to help improve patient care. The DOS has recently received several research initiation and educational grants, has published scholarly papers in peer-reviewed journals, and presented at national and international conferences. See the Scholarly Update section for details.

Research Training

The mission of the research division is to provide outstanding scientific training to surgical residents and students. Several of our residents take a 1-3 year research elective during their residency.

Current Residents in the Research Year

Mary Stuever, M.D.

Mentor – Lucile Wrenshall, M.D., Ph.D., at Wright State University

Amie Miller, M.D.

Mentors – Carolyn Cao, Ph.D., at Wright State University and Melissa Whitmill, M.D.

Sadia Ilyas, M.D.

Mentors – James Ouellette, D.O., and Dr. Steven A. Rosenberg (NIH)

Honors and Awards

Amie Miller, M.D. (4th-year resident) was awarded first place in the research category at the 14th Annual DAGMEC Resident Research Forum. Congratulations Dr. Miller!

Mary Stuever, M.D. (3rd-year resident) was awarded second place in the research category at the 14th Annual DAGMEC Resident Research Forum. Congratulations Dr. Stuever!

Priti Parikh, Ph.D., assistant professor and research director at the Department of Surgery was selected to attend the 2013 AAMC Early-Career Women Faculty Professional Development Seminar.

SAVE THE DATE

WSU Post Graduate Symposium: Vascular Surgery

September 27, 2013

8 a.m. – 5 p.m.

MVH, Bieser Auditorium

www.med.wright.edu/surg/symposium

ACS Clinical Congress WSU DOS Reception

October 7, 2013

6 – 8:30 p.m.

J. W. Marriott, Wardman Park, Virginia, Suite A
Washington, DC

DOS Staff Christmas Party

December 6, 2013

Noon

Location: Ladder 11

DOS Faculty Christmas Party

December 13, 2013

7 – 10 p.m.

Location: Dr. Woods home

Daniel Elliott Resident Research Symposium

April 23, 2014

Noon-2 p.m.

MVH, 6NW#1 & 2

For more information:

Lynne Smith

lsmith@PremierHealth.com

937-208-3771

SCHOLARLY ACTIVITY

GRANTS

Pratik Parikh, M.D. (PI) and **Mary C. McCarthy, M.D.** (coPI) were awarded a Research Initiation Grant from Wright State University for Intervention Strategies to Manage interruptions in Healthcare.

Carolyn Cao, Ph.D. (PI), **Jonathan Saxe, M.D.,** and **Amie Miller, M.D.** (coPI) were awarded Strategic Investment Grant from Wright State University for development of methods to improve visualization of structures during laparoscopic imaging procedures.

PUBLICATIONS

Heyland D, Muscedere J, Wischmeyer P, et al. A randomized trial of glutamine and antioxidants in critically ill patients. *N Engl J Med* 2013 Apr;368(16): 1489-1497

Barney L, Jackson J, Ollapally V, Savarise M, Senkowski C. Documentation of services provided in the postoperative global period. *Bull Am Coll Surg* 2013 May;98(5): 48-51

Jones J, Porter K, Coffey R, Miller S, Cook C, **Whitmill ML,** Murphy C. Impact of early methadone initiation in critically burned patients: A pilot study. *J Burn Care Res* 2013 May/Jun (34)3: 342-348

Ekeh AP, Herman K, Bayham D, Markert R, Pedoto M, **McCarthy MC.** Pilot evaluation of the short-term effect of driving simulation on novice adolescent drivers. *J Trauma Acute Care Surg* 2013 Jul; 75(1): 83-87

Palm DS, **Parikh PP,** Schoonover B, Lembamoff D, **McCarthy, MC.** Axillary arterial entrapment and brachial plexus injury due to proximal humeral fracture. *Injury Extra.* 2013 Aug; 44(8):67-69

ABSTRACTS

Mehmood M, Tchorz KM, Markert R, Chandra M, **McCarthy MC.** Pulmonary vascular resistance: A novel method of noninvasive estimation and association with mortality in critically ill surgical patients. *J Investig Med* 2013 Apr;61(4).

Mehmood M, Tchorz KM, Markert R, Chandra M, **McCarthy, MC.** Cardiac power output: A comparison of pulmonary artery catheter and transthoracic echocardiographic assessment and analysis of trend in critically ill surgical patients. *J Investig Med* 2013 Apr;61(4).

Mehmood M, Tchorz KM, Markert R, Chandra M, **McCarthy, MC.** Mean pulmonary artery pressure: A novel method of estimation and association with mortality in critically ill surgical patients undergoing bedside right heart catheterization and Doppler echocardiography. Abstract presented at: Society of Cardiovascular Angiography and Interventions; 2013 May 1, Orlando, FL

PRESENTATIONS

Riquelme M, **Aranda-Gracia, A.** Transperitoneal laparoscopic nephrectomy using a three trocar surgical technique – Long term follow up and technique discussion. Oral presentation at: The 46th Annual Meeting of the Pacific Association of Pediatric Surgeons (PAPS) together with the Australian and New Zealand Association of Pediatric Surgeons (ANZAPS); 2013 Apr 11; Hunter Valley, NSW, Australia,

Riquelme M, **Aranda-Gracia, A,** Rodríguez-Gómez J, Brutus A, Torres-Riquelme J. Laparoscopic reoperation after failed conventional orchidopexy. Oral presentation at: The 46th Annual Meeting of the Pacific Association of Pediatric Surgeons (PAPS) together with the Australian and New Zealand Association of Pediatric Surgeons (ANZAPS); 2013 Apr 11; Hunter Valley, NSW, Australia,



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY
Department of Surgery

Weber Center for Health Education
128 East Apple Street ■ Suite 7000
Dayton, OH 45409

Turk, RP. Osler jailed for attempted murder. Presentation at: Annual American Osler Society Meeting; 2013 Apr 8, Tucson, AZ.

Scott, RP. Reporting competencies in the curriculum. Oral presentation at: 17th International Association of Medical Science Educators (IAMSE) Annual Meeting. 2013 Jun 10; St. Andrews, Scotland (UK)

Hellan M, Lagares J, Spinoglio G, Pigazzi A. The influence of fluorescence imaging on the location of bowel transection during robotic left-sided colorectal surgery; Preliminary results of a prospective multicenter study. Oral presentation at: EAES European Study for Endoscopic Surgery, 21st International Congress; 2013 Jun 19-22; Vienna, Austria.

Puchalski CM, Blatt B, Kreher M, Larsh G, **Tchorz KM,** White MT. GWish Templeton Reflective Rounds. Speaker presentation at: GWish 5th Annual Spirituality and Health Summer Institute. 2013 Jul 10-13; Washington, DC.

Tchorz, KM. 2011-2012 GTRR Grant Award. GWish Templeton Reflective Rounds. Speaker presentation at: GWish 5th Annual Spirituality and Health Summer Institute. 2013 Jul 10-13; Washington, D.C.

Tchorz, KM. Maternal-fetal risks and outcomes from traumatic injuries. Speaker presentation at: Grand Rounds—Department of OB/GYN Miami Valley Hospital; 2013 Jul 24; Dayton, Ohio

POSTERS

Riquelme M, **Aranda-Gracia A.** Thoracoscopic congenital diaphragmatic hernia repair considerations. Poster session presented at: The 46th Annual Meeting of the Pacific Association of Pediatric Surgeons (PAPS) together with the Australian and New Zealand Association of Pediatric Surgeons (ANZAPS); 2013 Apr 8; Hunter Valley, NSW, Australia

Mehmood M, Tchorz KM, Markert R, Chandra M, **McCarthy MC.** Mean pulmonary artery pressure: A novel method of estimation and association with mortality in critically ill surgical patients undergoing bedside right heart catheterization and Doppler Echocardiography. Poster session presented at: Society of Cardiovascular Angiography and Interventions. 2013 Scientific Session; 2013 May 1, Orlando, FL

Scott, RP. Optimally applying a full range of simulation modalities to teach psychomotor and cognitive skills. Poster session presented at: 17th International Association of Medical Science Educators (IAMSE) Annual Meeting. 2013 Jun 8-11; St. Andrews, Scotland (UK)

Hellan M, Gustafson J, Malarkey S, **Ouellette JR.** The use of robotic surgery for resection of gastric submucosal tumors. Poster session presented at: 21st EAES International Congress, 2013 Jun 19; Vienna, Austria.

Mehmood M. Tchorz KM, Markert R, Chandra M, **McCarthy MC.** Estimation of pulmonary capillary wedge pressure in mechanically ventilator critically ill surgical patients: Investigation of tissue Doppler imaging and proposal of a novel echocardiographic method. Poster session presented at: American Society of Echocardiography. 24th Annual Scientific Sessions; 2013 Jul 1, Minneapolis, MN

Buchanan D, **Dominguez K, Ekeh AP, Tchorz KM, Woods RJ, McCarthy MC,** Denlinger LA, **Saxe JM.** Needle decompression of tension pneumothorax, is our education of the prehospital provider adequate? Poster session presented at: World Society of Emergency Surgery 2nd Congress WSES; 2013. July 7-9; Bergamo, Italy.

Roelle, MP, Tuttle, RM, Thobe K, Myers R, **Parikh PJ, Parikh PP, McCarthy, MC.** A system analysis of early cholecystectomy for acute cholecystitis. Poster session presented at: Midwest Surgical Association 56th Annual Meeting; 2013 Jul 28-31; Acme, MI

Tozzi F, Malik TA, Ekeh AP. Massive lower gastrointestinal bleeding from an unusual source. Poster session presented at: Midwest Surgical Association 56th Annual Meeting; 2013 Jul 28-31; Acme, MI

McCarthy, MC. Fasciotomy of the Lower Extremity—mobile education ap. Poster session presented at: AFRL Discovery Lab; 2013 Aug 8; Dayton, OH

Scott, RP. Final project review, Sate2013: Virtual TeleCU - The future of medical training. Poster session presented at: AFRL Discovery Lab; 2013 Aug 8; Dayton, OH

In Memoriam

Wright State Department of Surgery expresses condolences to Dr. Kenneth Oberhue on the loss of his wife, Marilee, on August 27, 2013. Dr. Oberhue is an emeritus clinical professor in the Department of Surgery.